

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 7,053,370 B2  
APPLICATION NO. : 10/826350  
DATED : May 30, 2006  
INVENTOR(S) : Taiko Motoi et al.

Page 1 of 2

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On Title page, Item (63)

**Related U.S. Application Data**

“Continuation-in-part of application No. 10/488,974, filed on Mar. 9, 2004.” should read  
-- Continuation-in-part of application No. 10/488,974, filed as application No. PCT/  
JP02/10277 on Oct. 2, 2002. --

**DRAWINGS:**

Sheet 11, Figure 11, “(CURUDE” should read -- (CRUDE --.

**COLUMN 2:**

Line 66, “section-or” should read -- section or --.

**COLUMN 9:**

Line 64, “cross sectional” should read -- cross-sectional --.

**COLUMN 10:**

Lines 14, 30 and 35, “cross sectional” should read -- cross-sectional --; and  
Line 31, “cross” should read -- cross- --.

**COLUMN 11:**

Line 46, “cross sectional” should read -- cross-sectional --

**COLUMN 12:**

Line 62, “cross sectional” should read -- cross-sectional --.

**COLUMN 14:**

Line 40, “the” (second occurrence) should be deleted; and  
Line 55, “cross sectional” should read -- cross-sectional --.

**COLUMN 17:**

Lines 5, 23 and 64, “cross sectional” should read -- cross-sectional --; and  
Line 57, “cross” should read -- cross- --.

**COLUMN 18:**

Line 1, “cross sectional” should read -- cross-sectional --.

**COLUMN 19:**

Line 14, “cross sectional” should read -- cross-sectional --.

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COLUMN 20:

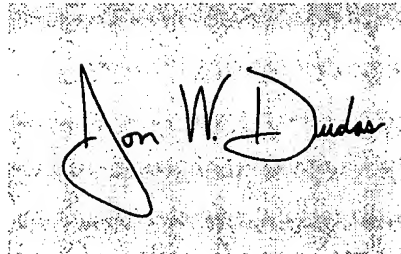
Lines 1 and 49, "cross sectional" should read -- cross-sectional --.

COLUMN 21:

Line 10, "cross sectional" should read -- cross-sectional --.

Signed and Sealed this

Thirtieth Day of January, 2007

A handwritten signature in black ink, reading "Jon W. Dudas", is written over a rectangular area with a light gray, textured background.

JON W. DUDAS  
*Director of the United States Patent and Trademark Office*